

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001074

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65G 17/20, B65G 35/06, B61B 10/02 // B61B 3/00, B61B 13/04, B65G 21/20  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65G, B61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20030079641 A1 (JOHNSON ET AL), 1 May 2003 (01.05.2003), paragraph [0037]-[0044], fig 1-4	1,19,21-22
Y	--	7-12,15-17
X	DE 2359267 A1 (LOUIS SCHIERHOLZ KG), 12 June 1975 (12.06.1975)	1-5,13-14, 18-20,22
Y	--	7-12,15-17
X	GB 737265 A (FISHER & LUDLOW LTD), 21 Sept 1955 (21.09.1955), page 5, line 115 - page 10, line 22, figures 3-9	1,19,21
	--	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier application or patent but published on or after the international filing date  
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 October 2004

Date of mailing of the international search report

04-11-2004

Name and mailing address of the ISA/

Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Mariana Eddin/EK

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001074

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6279735 B1 (DAVIDSSON ET AL), 28 August 2001 (28.08.2001), figures 2,8 --	1,19-21
X	DE 19538350 A1 (W SCHLAFHORST AB & CO), 17 April 1997 (17.04.1997), figures 1-5, abstract --	1
A	US 6431347 B1 (GOSSNER), 13 August 2002 (13.08.2002) --	1
A	WO 9933721 A1 (BYGG-& INDUSTRISERVICE E JACOBSSON AB), 8 July 1999 (08.07.1999), figure 7 --	1
A	SE 501744 C2 (CARSTEN CHRISTIANSSON), 8 May 1995 (08.05.1995) -- -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

01/10/2004

International application No.

PCT/SE 2004/001074

US	20030079641	A1	01/05/2003	WO	03095340 A	20/11/2003
DE	2359267	A1	12/06/1975	NONE		
GB	737265	A	21/09/1955	NONE		
US	6279735	B1	28/08/2001	AU	7793698 A	30/12/1998
				CA	2291668 A	03/12/1998
				CN	1123517 B	08/10/2003
				CN	1259101 T	05/07/2000
				DE	69807933 D,T	28/05/2003
				EP	0941170 A	15/09/1999
				EP	1037830 A,B	27/09/2000
				ES	2184275 T	01/04/2003
				NO	992570 A	27/07/1999
				SE	509402 C	25/01/1999
				SE	9702047 A	30/11/1998
				WO	9854074 A	03/12/1998
				SE	9800981 D	00/00/0000
DE	19538350	A1	17/04/1997	NONE		
US	6431347	B1	13/08/2002	AT	260843 T	15/03/2004
				DE	19816688 A	28/10/1999
				DE	59908744 D	00/00/0000
				EP	1071622 A,B	31/01/2001
				JP	2002511372 T	16/04/2002
				WO	9952799 A	21/10/1999
WO	9933721	A1	08/07/1999	EP	1040060 A	04/10/2000
				SE	511610 C	25/10/1999
				SE	9704705 A	17/06/1999
SE	501744	C2	08/05/1995	AT	175388 T	15/01/1999
				AU	678081 B	15/05/1997
				AU	1036895 A	23/05/1995
				AU	2153895 A	09/10/1995
				DE	69507133 D,T	26/08/1999
				EP	0726879 A	21/08/1996
				EP	0751891 A,B	08/01/1997
				ES	2129818 T	16/06/1999
				FI	961883 A	03/05/1996
				JP	9504473 T	06/05/1997
				JP	10500642 T	20/01/1998
				SE	9400990 A	08/05/1995
				US	5829356 A	03/11/1998
				WO	9525656 A	28/09/1995